



ELECTRONIC TUBE REFERENCE

SV572160

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu Svetlana 572-family power triode for high-gain linear and audio power stages. With about 1 kV plate capability, 125 W dissipation, and amplification factor around 160, it combines strong gain with substantial power handling.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	17000 Ω
TRANSCONDUCTANCE	0.009 S
AMPLIFICATION FACTOR	160
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	210 mA
<i>Published ratings/characteristics promoted where unambiguous.</i>	

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

199X Svetlana

Published test conditions and operating points. Values on this page are preserved as reported by this source.

199X SVETLANA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
applications where triodes of the	811 A	SourcePage1-2
Voltage (AC or DC) 6.3 ±	0.3 V	SourcePage1-2
Current	4 A	SourcePage1-2
Plate resistance (nominal) 17	—	SourcePage1-2
Grid to plate	8 pF	SourcePage1-2
Grid to filament	7 pF	SourcePage1-2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum-signal DC plate current	210 mA	SourcePage1-2
Plate Dissipation	125 W	SourcePage1-2
Grid Current	50 mA	SourcePage1-2
DC Plate voltage	1000 V	TypicalOperation
Grid voltage	5 V	TypicalOperation
DC Plate current, zero signal	50 mA	TypicalOperation
DC Plate current, max signal	70 mA	TypicalOperation
Plate load resistance	10000 ohms	TypicalOperation
Power output at distortion above	15.3 W	TypicalOperation
DC Plate current, max signal	85 mA	TypicalOperation
Plate load resistance	9600 ohms	TypicalOperation

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output at distortion above	32 W	TypicalOperation
Ef =	6.3 V	TypicalOperation

TUBE TINKER

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